

A LIST OF HEMIPTERA COLLECTED IN THE VICINITY
OF BELLAIRE, OHIO.

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The following record of species represents the collections of Hemiptera made during four days (Aug. 28, Sept. 1, 1900) at points within five miles of Bellaire, all on the Ohio side of the river. Wooded hillsides, valleys, creek bottoms and shore and island of the river were worked during a part of each day and as the list includes one hundred and forty-nine species, it is probably fairly representative for the common species of the season.

HOMOPTERA.

Cicadidae. *Cicada tibicen* L. One specimen found dead.

Membracidae. *Entilia sinuata* Fab., *Publilia concava* Say, *Ceresa diceros* Say, *Ceresa bubalus* Fab., *Thelia bimaculata* Fab., *Acutalis calva* Say, *Vanduzee arcuata* Say.

Fulgoridae. *Scolops sulcipes* Say, *Scolops* sp., *Ormenis pruinosa* Say, *O. septentrionalis* Fab., *Amphiscepa bivittata* Say, *Bruchomorpha dorsata* Fh., *B. oculata* Newmn., *Issus* ? sp. *Pissonotus ater* VanD., *Stobera tricarinata* Say, *Stobera* sp., *Liburnia campestris* VanD., *L. ornata* Stal, *Liburnia* sp.

Cercopidae. *Lepyronia 4-angularis* Say, *Clastoptera obtusa* Say, *C. proteus* Fh., *C. xanthocephala* Germ.

Bythoscopidae. *Macropsis apicalis* O&B., *Agallia sanguinolenta* Prov., *A. 4-punctata* Prov., *A. constricta* VanD., *A. novella* Say, *Idiocerus pallidus* Fh., *I. snowi* G&B., *I. verticis* Say.

Tettigonidae. *Aulacizes irrorata* Fab., *Tettigonia bifida* Say, *T. tripunctata* Fh., *T. gothica* Sign. *T. hartii* Wdw. (mss), *Diedrocephala coccinea* Forst., *D. mollipes* Say, *Helochara communis* Fh., *Gypona octolineata* Say.

Jassidae. *Xestocephalus pulicarius* VanD., *X. tessellatus* VanD., *Platymetopius acutus* Say, *P. frontalis* VanD., *Deltocephalus sayi* Fh., *D. sylvestris* O. & B., *D. apicatus* Osb., *D. weedi* VanD., *D. obtectus* O. & B., *D. inimicus* Say, *D. flavicosta* Stal, *D. nigrifrons* Forbes, *Scaphoideus immistus* Say, *S. auronitens* Prov., *S. scalaris* VanD., *Athysanus curtisii* Fh., *A. (Limotettix) exitiosa* Uhl., *Athysanella acuticauda* Bak., *Lonatura catalina* O & B., *Eutettix seminudus* Say, *Phlepsius irroratus* Say, *P. decorus* O. & B., *Thamnotettix clitellarius* Say, *Chlorotettix unicolor* Fh., *C. galbanata* VanD., *Jassus olitorius* Say, *Cicadula 6-notata* Fall., *C. punctifrons* Fall., *Gnathodus punctatus* Thunb., *G. abdominalis* VanD., *Empoasca smaragdula* Fall., *E. obtusa trifasciata* Gill., *E. mali* LeB., *Dicraneura flavipennis* Fab., *Typhlocyba comes vitis* Harr., *T. comes*

basilaris Say, *T. comes comes* Say, *T. c. ziczac* Walsh, *T. obliqua* Say, *T. vulnerata* Say, *T. tricinta* Fh., *T. trifasciata* Say, *T. querci bifasciata* Gill., *T. hartii* Gill.

Aphididæ. *Pemphigus populi transversus* Riley, On Cottonwood.

Aleyrodidæ. *Aleurodes* sp. Abundant on Sycamore leaves.

Coccidæ. *Chionaspis salicis* Harr.

HETEROPTERA.

Cydnidæ. One specimeu as yet undetermined.

Pentatomidæ. *Podisus cynicus* Say, *Brochymena annulata* Fab., *Cosmopepla carnifex* Fab., *Euschistus fissilis* Uhl., *E. tristigma* Say, *E. variolarius* P. Beauv., *Trichopepla semivittata* Say, *Thyanta custator* Fab.,

Coreidæ. *Neides muticus* Say, *Jalysus spinosus* Say, *Corizus lateralis* Say, *C. nigristerum* Sign., *C. bohemani* Sign., (?) *C. noveboracensis* Sign.

Lygaeidæ. *Nysius thymi* Wolff, *N. angustatus* Uhl., *Orsillacis producta* Uhl., *Ischnorhynchus didymus* Zett., *Blissus leucopterus* Say, *Cymus angustatus* Stal. *Geocoris limbatus* Stal, *G. fuliginosus* Say, *Myodocha serripes* Oliv., *Ligyrocoris sylvestris* L., *Ptochiomera nodosa* Say, *Lygaeus kalmii* Stal, *L. turcicus* Fab.

Capsidæ. *Megalocoerea debilis* Uh. (?), *Miris affinis* Reut., *Compsocerochoris annulicornis* Reut., *Calocoris rapidus* Say, *Lygus pratensis* L., *L. plagiatus* Uhl., *Poecyloscytus basalis* Reut., *Campitobrochis nebulosus* Uhl., *Eccritotarsus elegans* Uhl., *Hyaliodes vitripennis* Say. *Episcopus ornatus* Uh., *Ilnacora stalii* Reut., *Pilophorus bifasciatus* Fab., *Malacocoris irroratus* Say, *Garganus fusiformis* Say, *Halticus uhleri* Giard, *Styphrosoma stygica* Say, *Neoborus laetus* Uhl., *Plagiognathus obscurus* Uhl., *Plagiognathus* sp., *Agalliaestes associatus*, Uhl.

Acanthiidæ *Triphleps insidiosus* Say.

Tingitidæ. *Corythuca ciliata* Say.

Phymatidæ. *Phymata fasciata* Gray.

Nabidæ. *Coriscus ferus* L.

Reduviidæ. *Sinea diadema* Fab., *Acholla multispionosa* DeG., *Diplodus luridus* Stal.

Hygrotrechidæ. *Hygrotrechus remigis* Say, *Stephania pieta* H. Schf.

Saldidæ. *Salda interstitialis* Say.

Corisidæ. *Corisa alternata* Say.

Of the above list nearly thirty have not been recorded for the state hitherto and there are a few specimens which are as yet undetermined.